

L 43030-66 EWT(M)/EWT (11)/T WH/JM/JM/JM

ACC NR: AP6029751

(A)

SOURCE CODE: UR/0414/66/000/002/0010/0020

AUTHOR: Margolin, A. D. (Moscow); Fogel'zang, A. Ye. (Moscow)

ORG: none

TITLE: Burning of tetryl¹

SOURCE: Fizika goreniya i vzryva, no. 2, 1966, 10-20

TOPIC TAGS: tetryl, ~~burning~~, temperature profile, burning velocity, heat balance, ~~burning mechanism~~

ABSTRACT: Temperature profiles and burning velocities¹¹ were measured as a function of pressure p (up to 45 kg/cm^2) for tetryl charges with densities $d = 1.68-1.70 \text{ g/cm}^3$. The experiments were conducted in a constant pressure bomb with windows for oscillographic registration of the changes in temperature and burning velocity and the observation of the character of burning. The temperature profiles show four zones: 1) the initial temperature zone, which corresponds to the melting temperature, i.e., the solid phase zone with temperature below 130°C ; 2) the liquid phase zone, corresponding to the temperature on the surface of the condensed phase; 3) the first flame zone in which the temperature rises slowly from 900 to 1000°C at $p = 7 \text{ kg/cm}^2$; and 4) the second flame zone in which the temperature rises rapidly to 2100°C at $p = 8 \text{ kg/cm}^2$. The distance from the charge surface to the maximum temperature region

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UDC: 541.427.6

ACC NR: AP6029751

in the second flame zone decreased from 4.5 mm at $p = 8 \text{ kg/cm}^2$ to 0.25 mm at $p = 45 \text{ kg/cm}^2$. Temperature fluctuations, which are observed in the condensed phase and in the flame at lower temperatures and pressures, decreased as the temperature and pressure increased. The surface temperature of the burning tetryl coincided with its boiling point. Temperature and pressure changes in each zone are discussed in detail. Heat balance in the condensed phase, the burning velocity, and the burning mechanism are also discussed in detail. Orig. art. has: 4 tables, 5 figures, and 7 formulas. [PS]

SUB CODE: 19/ SUBM DATE: 11Feb66/ ORIG REF: 015/ OTH REF: 001 *ATO Press 5065*

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Jo

FOGEL'ZANG, M. R. Cand. Tech. Sci.

Dissertation: "Manufacture of Siphon Products from High-Melting Clays of Ludinovo Deposits." Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleev, 17 Dec 47.

SO: Vechernyaya Moskva, Dec, 1947 (Project #17836)

FOGEL'ZANG, M. R.

27784. FOGEL'ZANG, M. R. — ~~Por~~ molisushka gliny vo vzveshennom sostoyanii na aerobil'noy mel'nitse danilovskogo alebastrovogo zavoda. Mest. Stroit. Materialy, 1948, Vyp. 9, S. 1-5.

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

FUGEL'ZANG, M. A.

Poluboyarinov, D. N., Karapet'yants, M. L. add Fogel'zang, M. P. - "The investigation of semi-acid clays," Trudy Mosk. khim.-tekhnol. in-ta im. Mendeleyeva, Issue 15, 1949, p. 106-25, - Bibliog: 6 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

FOGEL'ZANG, M. R.

Poluboyarinov, D. N., Karapet'yants, M. L., and Fogel'zang, M.R. - "The manufacture of siphon wares from refractory semi-acid clays, "Trudy Mosk. khim.-tekhnol. in-ta im. Mendeleyeva, Issues 15, 1949, p. 126-36, - Bibliog: 9 items.

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

Ceramic Industries

Manufacture of ceramic products for architectural construction in plants of the Moscow province. *Biul. stroi. tekhn.* 9. No. 16, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~8~~₂, Uncl.

✓ Replacing grog with sand in a body for facing material.
M. R. Forcel'zang, T. M. Kakhnovich, and A. I. Koloy-
artseva. *Sbornik Trudov Resp. Nauch.-Issledovatel. Inst.*
Afestykh Stroitel. Materialov 1954, No. 6, 59-70; *Referat*,
Zhur., Khim. 1954, No. 48746.—Lab. and production tests
showed that replacement of grog with sand in facing tile
bodies favorably affects the quality, production, and cost.
M. Huseh

(2)

FOGEL ZANG, M.R.

FOGEL'ZANG, M., kandidat tekhnicheskikh nauk.

Strength of cohesion of mortars with bricks in building blocks, Stroi.
mat. 3 no.5:35 My '57. (MIRA 10:6)
(Mortar) (Building blocks)

GIL'DENBERG, Z., kand. tekhn.nauk; FOGEL'ZANG, M., kand.tekhn.nauk;
PAREMYZOVA, G., inzh.

Effect of clayey admixtures in sands on the properties of lime-
sand products. Stroi. mat. 4 no.8:34-35 Ag '58. (MIRA 11:9)
(Clay) (Sand)

FOGELZANG, Ziefrid [Vogelsang, Siegfried], dipl. khim.; DUNDOV, Dimitur,
Inzh. [translator]

Nitrocellulose polisher and Schwavel-lacquers; their properties
and processing. Durvomebel prom 7 no.6:6-8 N-D 164.

1. Lacquer and Printing-Ink Factory, Coswig, German Democratic
Republic (for Vogelsang).

FOGG, ANDRZEJ

Adaptery. Wyd. 2., popr.i uzup.

Warszawa, Poland, Panstwowe Wydawn.Techniczne, 1957. 140 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 6, no. 9, September 1959.
Uncl.

FOGH-ANDERSEN, P.

Vital statistics of cleft lip and palate - past, present, future. Acta chir. plast. 5 no.3:169-174 '63.

1. University Institute of Human Genetics, Copenhagen (Denmark)
Director: Prof. Tage Kemp, M.D. Surgical Department A (Plastic Surgery) Diakonissestiftelsens Hospital, Copenhagen Director:
P. Fogh-Andersen, M.D.
(CLEFT PALATE) (HARELIP) (STATISTICS)

FOGL, Iozef [Fogl, Josef]; KADLETS, Chestmir [Kadlec, Čestmír], inzhener.

Experience laying and operating on jointless rails on the Pilsen line of the Czechoslovak Republic. Zhel. dor. transp. 39 no.5: 33-35 My '57. (MLRA 10:6)

1. Nachal'nik Pl'sen'skoy dorogi (for Fogl). 2. Zamestitel' nachal'nika sluzhby putevogo khozyaystva Pl'sen'skoy dorogi (for Kadlets).

(Czechoslovakia--Railroads--Rails)

FOGL, Jiri

Technical literature data classification by means of punched
card machines. Geol pruzkum 7 no.2:56 F '65.

FOGL, Josef, promovany ekonom

Calculation of the profit from electric power supply in power distribution enterprises by the method of operational analysis. Energetika Cz 14 no.9:451-454 S '64.

1. STE National Enterprise, Prague.

KLABOCH, L., inz.; DUFEK, Jaroslav, inz.; HAJEK, E., doc., inz.; REZNICEK, I., inz.; ROD, F., inz.; DRDA, J., inz.; MATOUSEK, B., inz.; KOUSAL, P., inz.; MANDA, V.; CAIS, O., inz.; NOVAK, S.; URBAN, S.; HANKE, M., inz.; VOKURKA, V., inz.; FOGL, J., inz.; HROMIR, M., inz.; SOLIN, J., prof., inz.; SLEZAK, A., inz.; TITLBACH, Z., inz.; DREXLER, J., inz.; HORNA, O., inz.; KUPEC, J., inz.

Discussion on tensiometry. Zpravodaj VZLU no.2:37-46, 69-80 '62.

1. Vyzkumny a skusebni letecky ustav (for Dufek, Reznicek, Manda, Cais, Drexler and Kupec). 2. Statni vyzkumny ustav tepelne techniky (for Klaboch, Rod, Drda, Matousek, Titlbach). 3. Ceske vysoke uceni technicke (for Hajek, Solin). 4. Ustav pro vyzkum motorovych vozidel (for Hanke, Vokurka, Fogl, Hromir). 5. Vyzkumny ustav matematickych stroju (for Horna). 6. Moravan, n.p., Otrokovice (for Kousal). 7. Mikrotechna, Holesovice (for Novak). 8. Zavody V.I.Lenina (for Urban). 9. Svermovy zavody, Vyzkumny ustav (for Slesak).

FOGLAR, J.

On the treatment of depressive states with iminodibenzyl derivatives. Neuropsihijatrija 7 no.4:287-296 '59.

1. Iz kantonalnog turguskog azvaka az njegu i adravlje Munsterlingen-Svicarska (Direktor: Dr. A. Zolliker).

(PSYCHOPHARMACOLOGY)

(DEPRESSION ther.)

FOGL, Jiri

Petroleum prospecting in the underdeveloped countries. Geol
pruzkum 5 no.4:113 Ap '63.

FOGL, Josef, promovany ekonom

Methods of analyzing the use and effectiveness of the operation
of assembling mechanisms in power distribution plants.
Energetika Cz 14 no.10:486-488 O '64.

1. STE National Enterprise, Prague.

USSR / Farm Animals. The Honeybee.

Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7406

Author : Fogl, L. D.

Inst : Not given

Title : The Beehive over a Narrow-High Frame

Orig Pub : Pcholovodstvo, 1958, No 4, 45

Abstract : The utilization of narrow-high or "turned around" frames measuring 300 x 435 mm in the Ukraine produces positive results; the beehive is more spacious, and wintering of bees in it proceeds more successfully.

Card 1/1

FOGLER, V.K.; FOGLER, Z.V.

Some data on the geology of the Mindeyi swell based on results of
a detailed gravity survey. Geofiz. i issl. i probl. neftegaz.
iuga Sib. plat. no.2:194-197 '62. (MIRA 15:8)
(Mindeyi region--Gravity prospecting)

FOGLER, V.K.; FOGLER, Z.V.

Some data on the geology of the Mindeyi swell based on results of
a detailed gravity survey. Geofiz. i issl. i probl. neftegaz.
Iuga Sib. plat. no.2:194-197 '62. (MIRA 15:8)
(Mindeyi region—Gravity prospecting)

POLAND/Virology. Human and Animal Viruses. Intestinal Viruses. E

Abs Jour: Ref Zhur-Biol., No 17, 1958, 76459.

Author : Makower, Henryk; Skurska, Zofia; Kawecki, Karol;
Foglowna, Alicja.

Inst :

Title : Study of the Cocksackie Viruses. Report I. Spread
of Cocksackie Viruses in Upper and Lower Silesia.

Orig Pub: Arch. immunol. i terap. doswiadc., 1957, 5, 167-196.

Abstract: The greater part of strains (50) isolated from
patients with Bornholm disease, herpangina and
epidemic diarrhea belong to type A₁. Virus of
type A₁ was also isolated from the meconium of
newborns with many defects of development.
9 photographs. Dib. 82 titles.

Card : 1/1

Fogltanc, M
CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Application. Artificial and
Synthetic Fibers.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33496.

Author : Kalafut, St., Fogltanc, M.

Inst : Not given.

Title : Viscosimetric Evaluation of the Quality of Industrial Viscos.

Orig Pub: Chem. prumysl, 1958, 8, No 4, 212-215.

Abstract: On the basis of experimental data, obtained by testing various viscoses (V), the authors elaborated a method of indirect determination of the content and size of the dispersed particles in V. The method is as follows: V, with a known content of NaOH and cellulose (C), are diluted with distilled water at 20° until the NaOH content is 4%. After careful stirring, the 4% NaOH solution is

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CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Application. Artificial and
Synthetic Fibers.

Libs Jour: Ref Zhur-Khimiya, No 9, 1959, 33496.

Abstract: added to form a 1% solution of C. The time lapse
(τ) of the V solution is determined in this man-
ner: first of all, the lapsed time for the forma-
tion of the NaOH solution (τ_0) is determined.
The solution must be thermostated at a tempera-
ture of $20 \pm 0.05^\circ$. Five estimates are conducted,
three of which must conform in every detail. By
dividing τ / τ_0 , the relative viscosity (η_{rel})
is obtained. The tested solution is diluted in
the ratio of 1:9, according to the weight of the
4% NaOH solution and again the lapsed time is de-
termined. Dividing the obtained quantity by τ_0 ,
the quantity of η_{rel} is obtained. Substituting

Card 2/3

284

FOGT, E.; NAYDIN, D.P.[translator]; YERMAKOV, M.S., tekhn. red.

[Upper Cretaceous Bryozoa of the European part of the U.S.S.R.
and some adjacent territories]Verkhnemelovye mshanki Evropei-
skoi chasti SSSE i nekotorykh sopredel'nykh oblastei. Moskva,
Izd-vo Mosk. univ., 1962. 124 p. (MIRA 15:11)
(Polysoa, Fossil)

L 40024-66 EWT(d)/EWT(1)/EWT(m)/FCC GW

ACC NR: AT6003004

SOURCE CODE: UR/3175/65/000/025/0061/0067

AUTHOR: Fogt, P. N.

ORG: VIRG

TITLE: Automatic altitude correction device for a gamma spectrometer mounted in an aircraft

SOURCE: USSR. Gosudarstvennyy geologicheskii komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 25, 1965, 61-67

TOPIC TAGS: aircraft flight instrument, gamma spectrometer, gamma detection ,
ALTIMETER

ABSTRACT: The automatic altitude correction device reduces the fluctuation generated at the output of the altimeter by rapid change in altitude. The device consists of a multiplying circuit, noise reduction circuit, and a functional converter. A reduction in effective fluctuation is achieved by decreasing the sensitivity of the altimeter during the change in altitude. This decreased sensitivity is achieved by decreasing the time constant of the altimeter. A schematic diagram of the device is included in the paper. Several tests with and without the device were performed and the resulting fluctuations are plotted and compared. It is shown that the

Card 1/2

L 40024-66

ACC NR: AT6003004

device provides considerably improved flight data presentation. (Orig. art. has: 16
formulas, 3 figures.

SUB CODE: 01 SUBM DATE: 00/ ORIG REF: 005/ OTH REF: 000

Card 2/2

FOGT, P.H.

Fluctuation in the amplification of stabilization of a
scintillation radiometer using the alpha-source of reference
pulses. Geofiz. prib. no.19;53-60 '64. (MIRA 18;9)

FOHL, Bohuslav, inz.

Work diagram and the crew shift plan of a marshaling yard
in the new 1964-1965 railroad transportation diagram.
Zel dop tech 12 no. 3: 58-59 '64.

MESTYAN, Gyula, dr.; VARGA, Ferenc, dr.; FOHL, Erzsébet, dr.; HEIM, Tibor, dr.

O₂ consumption by premature infants in hyper- and hypothermia. Orv.
hetil. 103 no.15:677-681 15 Ap '62.

1. Pécsi Orvostudományi Egyetem, Gyermekklinika.

(INFANT PREMATURE physiol)
(RESPIRATION in inf & child)
(BODY TEMPERATURE in inf & child)

FOHL, Erzsebet, dr.; LOMBOS, Oszkar, dr.

Prognosis in neonatal hemolysis caused by ABO incompatibility
not treated with exchange transfusion. Orv. hetil. 105
no.44:2073-2075 1 N '64.

1. Pecsı Orvostudományi Egyetem, Gyermekklinika (igazgató:
Kerpel-Fronius Odon dr.).

FOIAS, C.; GUSSI, G. (Bucarest)

The Cauchy problem for systems of partial derivation equations
with dependent coefficients of time. Bull math Rum 4 no.1:
39-44'60.

V. 1915

of Denial. Let first be the proof of the following theorem:

EATAS CIPRIAN

Eat, Ciprian. 1964. 111.

$$Dx = \lim_{h \rightarrow 0} \frac{f(x+h, y) - f(x, y)}{h}$$

Then the equation has at most one solution $r(x, y)$ with $r(x, y_0) = g(x)$ and $r(x_0, y) = h(y)$

F. A. Fickan

175 (170184)
Lotos, Ciprian, Gussi, George, and Porziaru, Valentin

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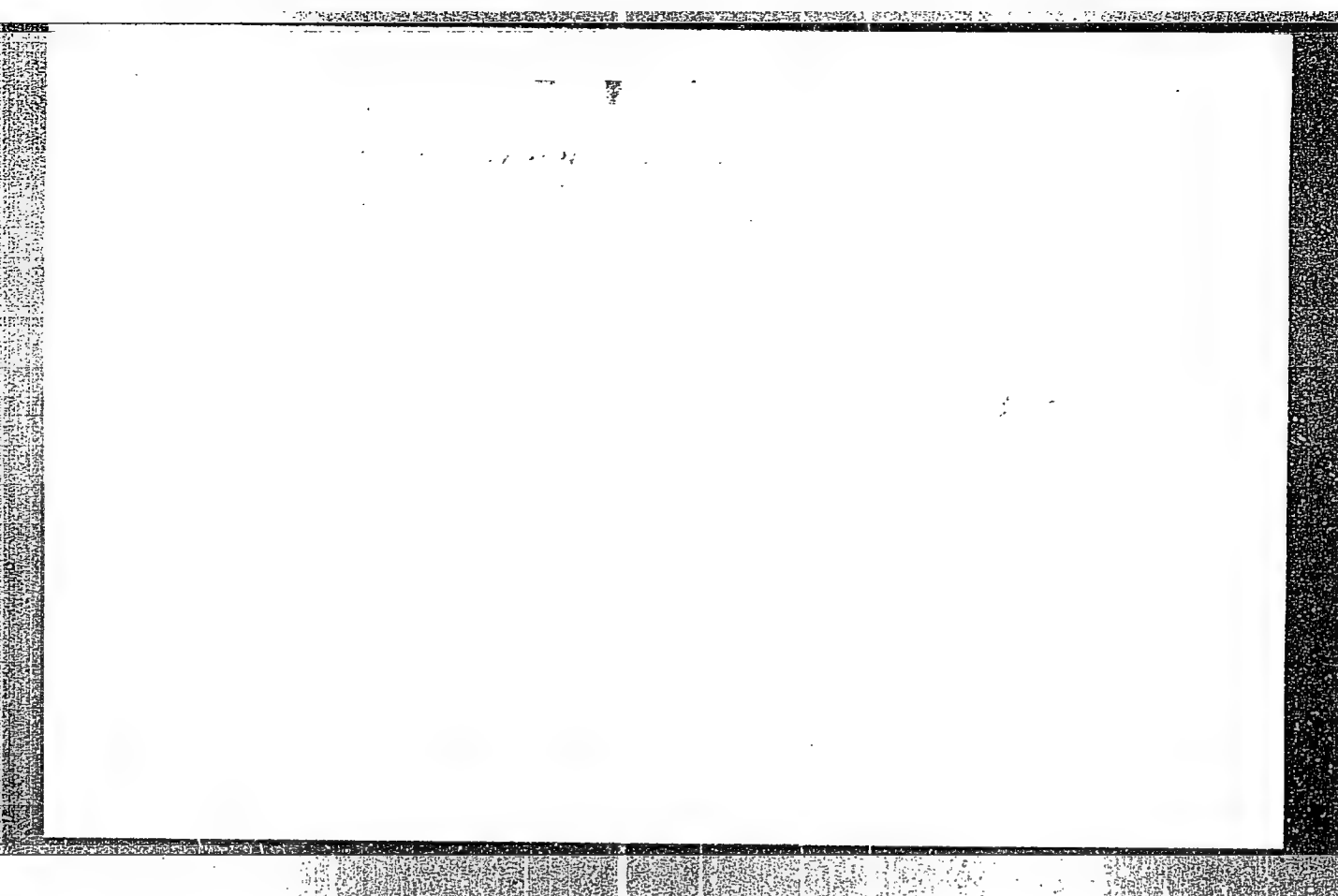
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and of

$$\frac{d}{dx} \left\{ \frac{P_i(x+h)}{Q_i(x+h)} \right\} = \frac{d}{dx} \left\{ \frac{P_i(x)}{Q_i(x)} \right\}$$

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FOIAS, CĂPRĂN

Stieltjes-Riemann integrability as regards a function without limited variation.
p. 835.

COMUNICARILE. Bucuresti, Rumania, Vol. 7, no. 10, October 1957

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 8, August, 1959

Uncl.

FOIAS, CIPRIAN

2

Foias, Ciprian. Sur certains théorèmes de J. von Neumann concernant les ensembles spectraux. Acta Sci. Math. Szeged 18 (1957), 15-20.

Let A be a Banach algebra with unit and involution. Then, following von Neumann, a set S of complex numbers is said to be a spectral set of an element x of A if, for every rational r with $|r(\lambda)| \leq 1$ for λ in S , the element $r(x)$ exists in A and has $|r(x)| \leq 1$. It is shown that if the half-plane $\operatorname{Re} \lambda \geq 0$ is a spectral set of x then $\operatorname{Re} f(x) \geq 0$ for all linear positive forms f on A . If, conversely, A has the property that the half-plane $\operatorname{Re} \lambda \geq 0$ is a spectral set of x provided that $\operatorname{Re} f(x) \geq 0$ for every linear positive form f on A , then A is isometrically isomorphic with a closed subalgebra of the algebra of bounded linear operators in a Hilbert space. It is shown (as was also known to von Neumann) that a complex B -space X is necessarily a Hilbert space if the unit disk $|\lambda| \leq 1$ is a spectral set of every operator T in X with $|T| \leq 1$. N. Dunford.

CG
K

On Certain Theorems of J. von Neumann Concerning Spectral Sets.

FOIAS, C.

On the Riemann-Stieltjes Integrability of a Function With Respect to Another Function That Is Not of Bounded Variation

Foias, Clorian. De l'intégrabilité Stieltjes-Riemann par rapport à une fonction qui n'est pas à variation bornée. Com. Acad. R. P. Rouine 7 (1957), 835-837. (Romanian. Russian and French summaries)

2
1-FW

The author shows that the set of continuous functions on a given interval which are Riemann-Stieltjes integrable with respect to a given function not of bounded variation is of the first category in the space of continuous functions on the interval in question.

I. I. Hirschman, Jr. (St. Louis, Mo.)

FOIAS, C.; GUSI, G.; POENARU, V.

On the generalized solutions of certain linear and quasilinear equations in the Banach space. In French. p. 283.

REVUE DE MATHEMATIQUES PURES ET APPLIQUEES. JOURNAL OF PURE AND APPLIED MATHEMATICS. (Academia Republicii Populare Romine) Bucuresti. Rumania. Vol. 3, no. 2, 1958.

Monthly List of East European Accessions (EEAL) LC VOL. 9, no. 1, January 1960.
UNCL

FOIAS, C.

T. Gane's Serii trigonometrice (Trigonometric Series); a book review.
In French. p. 165.

REVUE DE MATHEMATIQUES PURES ET APPLIQUEES. JOURNAL OF PURE AND APPLIED
MATHEMATICS. Bucuresti, Rumania. Vol. 4, no. 1, 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, ^{Sept.}1959.
Uncl.

FOIAS, C.

C. T. Ionescu Tulcea's Spatii Hilbert (Hilbert Spaces); a book
review. Rev math pures 4 no.3:488-490 '59. (REAI 10:9)

(Ionescu Tulcea, C.T.) (Hilbert space)
(Rumania—Bibliography)

FOIAS, Expiration

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S/044/62/000/006/035/127
B158/B112

AUTHOR: Foyyash Chipriyan

TITLE: Certain integral equations with a singular kernel

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 77-78,
abstract 6B327 (Rev. math. pures et appl. (RPR), v. 5, nos.
3-4, 1960, 723 - 727)

TEXT: In his work (RZhMat, 1957, 6694) S. L. Sobolev has considered
numerical methods of solving the equation

$$u(x) = f(x) + \int_0^1 K(x, s) u(s) ds. \quad (1)$$

or

$$u(x) = f(x) + Au \quad (2)$$

with a continuous kernel. Substitution of the integral on the right-hand
side of (1) by any sum using the method of mechanical quadratures gives

$$u = A_n u + f, \quad (3)$$

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Certain integral equations ...

$$\text{where } A_n u = \frac{1}{n} \sum_{l=0}^n K(x, \frac{l}{n}) u(\frac{l}{n}). \quad (4)$$

The possibility of such a substitution is established with the help of a theorem on the regular approximation of completely continuous operators. It is well known that if the kernel of the integral equation (1) is continuous and if $\lambda = 1$ is a regular point for equation (1), then the solution of equation (3) is unique for a sufficiently large n and tends uniformly to the solution of equation (1). In the author's work it is established that the above-mentioned property is retained in the case where the kernel of equation (1) has the form

$$K(x, s) = \frac{\psi(x, s)}{|x-s|^\alpha}, \text{ where } 0 \leq \alpha < 1 \text{ and}$$

$$\psi(x, s) = \begin{cases} \psi^-(x, s) - \text{uniformly continuous on } 0 \leq x \leq 1, 0 \leq s < 1, \\ \psi^+(x, s) - \text{uniformly continuous on } 0 \leq x \leq 1, x < s \leq 1. \end{cases}$$

The proof is based on the use of the following theorem: Let Y be a Banach space, X a (Banach) subspace of space Y , A a bounded linear operator in X , and A_n ($n = 1, 2, 3, \dots$) linear operators in Y satisfying the conditions:

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B158/B112

Certain integral equations ...

(I) A_n ($n = 1, 2, 3, \dots$) are compact; (II) $\|A_n\| \leq M < \infty$, $n = 1, 2, \dots$;
(III) $\|A_n u - u\| \rightarrow 0$ when $n \rightarrow \infty$, whatever is $u \in X$; (IV) if $\|u_n\| \leq m < \infty$, $u_n \in Y$ ($n=1, 2, 3, \dots$), then from the sequence $\{A_n u_n\}$ it is possible to derive such a sub-sequence $\{A_{n_p} u_{n_p}\}$ that $\lim_{n_p \rightarrow \infty} A_{n_p} u_{n_p} \in X$. Under these conditions is proved Theorem 1. If $(1-A)^{-1} = 1 + B$ and if (BX) exists, then for sufficiently large $n(1 - A_n)^{-1} = 1 + B_n$, (BY) exists and $B_n U \rightarrow BU$ when $n \rightarrow \infty$ for any $u \in Y$. [Abstracter's note: Complete translation.]

Card 3/3

(FOIAS, Ciprian; SINGER, Ivan

Some remarks on the representation of linear operators in spaces of
vector-valued continuous functions. Rev math pures 5 no.3/4:729-752
'60. (EEAI 10:5)

(Spaces, Generalized)
(Vector analysis)

(Linear programming)
(Functions)

FOIAS, Ciprian

The nonexistence of nonzero continuous linear functionals in the space of J.Mikusinski's operators. Bul Ac Pol mat 8 no.1:35-37 '60.

(FEAI 9:11)

1. Institutul de Matematica, Akademia R.P.R., Bucarest. Presente par K.Kuratowski.

(Calculus, Operational)

(Functions)

(Spaces, Generalized)

FOIAS, C.

"Mathematical analysis" by Miron Nicolescu. Reviewed by C. Foias.
Rev math pures 6 no.2:395-396 '61.

FOIAS, Ciprian

A property of nonanalyzability of the semigroups of isometric operators.
Rev math pures 6 no.3:561-562 '61.

FOIAS, Ciprian; SINGER, Ivan

The strongly-linearly independent sequences and bases in Banach spaces. Rev math pures 6 no.3:589-594 '61.

FOIAS, Ciprian

Relation between the spectral operators and generalized scalars.
Comunicarile AR 11 no.12:1427-1429 D '61.

1. Comunicare prezentata de academician M. Nicolescu.

FOIAS, C. (Bucuresti)

Approximation of J. Mikusinski operators by continuous
functions. Studia math 21 no.1:73-74 '61.

FOIAS, Ciprian

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R/002/61/000/001/004/005
A231/A126

6.6/90

AUTHOR: Foias, Pavel, Engineer

TITLE: The "nerves" of modern machines

PERIODICAL: Știință și Tehnică, no. 1, 1961, 22 - 23

TEXT: The article contains a brief description of transducers, used to transform measured non-electric values into electric values. In modern engineering, transducers can be used in many places. Several methods for the utilization of the crude oil, remained in the soil layers after having closed down the exploitation of the petroleum deposit were worked out in Azerbaidzhan. One of these procedures is based on the gassification of the remaining crude oil by an underground fire. The temperature of the underground gases is measured by a series of thermocouples. The electric signals of these thermocouples are transmitted to the measuring instruments of the station which controls the gassification process, performed at a temperature of 3,000°C. During the last few years thermal resistances equipped with semiconductors were added to the metal thermocouples. Transducers can further be used to investigate the behaviour of rigidly fixed beams subjected

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The "nerves" of modern machines

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to external forces, to measure the shock power of water waves, to measure the pressure waves at the bottom of the sea, etc. Combined with an amplifier and a cathode tube, transducers are also used to record shocks and blows, making them visible on the cathode tube screen. The curves appearing on the screen are photographed by film cameras. Time limits between which the recordings of the modifications in the tested pieces appear, are ranging between 200 msec and 50 μ sec. The cathode oscillograph for recording distortions due to blows allows the drawing of conclusions on the "health conditions of the machines". The USSR developed the "UDI" device equipped with 21 transducers for the detection of knocks in high-speed hydroturbines. Transducers can be used in media of very high, but also of very low pressure. For investigations in high-pressure media transducers with semiconducting crystals of barium titanate proved to be very advantageous. Soviet scientists recently developed the "IMAS - 5" installation for the examination of bodies subjected to heating in vacuum. Modern engineering today is greatly based on transducers. In the future, transducers will be used more and more to achieve complete automation of production processes. There are 4 figures and 1 set of figures.

ASSOCIATION: Combinatul poligrafic "Casa Scienteii" (Polygraphic Combine)

Card 2/2

POIAS, P.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: Engineer

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 6, Jun 1961, pp 12-13.

Data: "Electronics in the Polygraphic Industry."

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Compounds. Zhur. VKHO 6 no.2:221-223 '61. (MIRA 14:3)
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(INFLUENZA)

FOIT, B.

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SO: Monthly List of East European Accessions, (EEAL), Lc, Vol. 5, No. 6 June 1956, Uncl.

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FOIT, E. Entropy and loss of heat. p. 103

Vol. 8, no. 3, Mar. 1956
TECHNICKÁ PRÁCA
TECHNOLOGY
Bratislava, Czechoslovakia

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FOIT, E.

Improving the efficiency fo power production b means of combined cycles.

P. 254, (Strojoelektrotechnicky Casopis) Vol. 3, no. 5, 1957, Praha, Czechoslovakia

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Notes on the efficient use of gas turbines in combined cycles. (Supplement)

P. 2. (ENERGETIKA) (Praha, Czechoslovakia) Vol. 8, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

SKOTNICKA, Barbara; FOIT, Eugeniusz

Biochemical studies on venous blood of the extremities in obliterating vascular changes. VII. Activity of cholinesterase. Polskie arch.med. wewn. 29 no.12: 1621-1627 '59.

1. Z III Kliniki Choroż Wewnętrznych Śl. A.W. w Bytomiu. Kierownik: prof. dr. med. K. Gibinski.

(CHOLINESTERASE blood)

(ARTERIOSCLEROSIS blood)

FOIT, Julius, inz. CSc.

New method of television picture recording on a film. Sdel
tech 12 no.4:129-131 Ap '64.

12 1, R

FOT, R

Influence of pyridoxine upon the toxic symptoms caused by chloroethylamines. R. Folt and R. Sichterová-Klimová (Hosp., Bulovic, Czechoslovakia) *Lekárnický časopis* 60, 1222-3 (1951). Certain diseases, like lymphogranuloma, lymphatic leukemia, bronchial asthma, etc., may be treated by injections of chlorinated Bi amines (I), but such a treatment is accompanied by a no. of toxic symptoms. It was found in 32 patients that doses of pyridoxine (II) will alleviate greatly these symptoms, and the effect will be more pronounced if I and II are given rather simultaneously. This is contrary to older findings which had shown that the best effect would be reached if II were given 5-10 min. after the I injection; the dosage of II depends upon the disease treated; it is from 50 to 300 mg., if the patient receives the full dose (0.1 mg./kg. wt.) of I. Werner Jacobson.

①

FOIT, R., Doc. MUDr; SIMBEROVA, R., MUDr

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382-386 28 Mar 52.

1. Z II. interniho oddeleni nemocnice na Bulovce. Prednosta: doc.
MUDr R. Foit.

(NITROGEN MUSTARDS, ther. use,
blood dis., microdoses)

(BLOOD, diseases,
ther., nitrogen mustards, microdoses)

FOIT, R.

FOIT, R.; SIEBEROVA, R.; PARACEK, J. "Modifications and Mixtures of Insulin." p. 231.
(Casopis Lekaru Ceskvch. Vol. 93, no. 9, Feb. 1954. Praha)

SO: Monthly List of East European Russian Accessions, Vol. 3, No. 6, Library of Congress, June 1954, Uncl.

FOIT, R., Doc. Dr.; SIROVA, S., Dr.

Insulin suspension. Cas. lek. cesk. 93 no. 40-41:1094-1096 8 Oct 54.

1. Z II. inter. oddeleni nemocnice na Bulovce. Prednosta doc. Dr.
Foit

(INSULIN, therapeutic use
insulin lente)

(DIABETE MELLITUS, ther.
insulin lente)

EXCERPTA MEDICA Sec. 6 Vol. 11/11 Nov. 57

FOIT R.

7037. FOIT R., ZIKMUND E., SIEBEROVÁ R. and PÁDR Z. II. Int. Odd. na Bu-

7031

CONT.

lovce, Praha. *Připomínky k používání některých depotních insulinů a mixtur.
 Comments on the use of some depot insulins and mixture ČAS.LÉK.ČES. 1956, 95/51 (1389-1394) Graphs 15 Tables 1

In this work it is attempted to show the disadvantage of giving an ordinary mixture of crystalline insulin and PZI in one syringe in diabetics. A marked prolongation of the onset of the effect of PZI urges the physician to extend the therapeutic effect with cryst. insulin to prevent loss of sugar in the urine in the forenoon. This reasoning is correct if both insulins are given separately. Unfortunately most diabetics inject a mixture which is prepared in a single syringe and given in one injection. Most frequently the ratio of mixing varies between 1:3 and 3:1. In this work it is shown that in this range of ratios, the expected effect of cryst. insulin is lost, and the clinical effect in the patient is the same as if the total dose were given as PZI. Findings in vitro show with a ratio of 30% PZI:70% CI, that all free insulin is removed from solution and bound to an excess of protamine. It was not possible to show the presence of any insulin whatsoever in the supernatant fluid. In biological experiments and clinical observations it was shown that this binding of insulin is not reversed after injection into tissue. It is completely illusory, for example, to add PZI to CI in a combination of 1:5 to 1:3, for the required initial effect of CI will not be manifest. The critical level over which the effect of CI can start to manifest itself is very narrow, and it is not possible to calculate in advance how much of CI effect will actually obtain in a given case. Collens et al. have published similar experiences with 150 diabetics. For these reasons it is preferred to use globin-insulin (GI) in patients who require a depot insulin because:

- (1) there is a more rapid onset of effect, (2) it prevents postprandial changes during the day in most cases, (3) its effect is more reliably calculated during the day, (4) dosage is more accurate, (5) there is practically no local reaction, (6) it does not produce hypoglycaemia so easily, and not at all at night. Only in those cases - not very frequent - where a night effect is required is it necessary to give both CI and PZI, but without exception this should be by separate injections.

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Sympathicoblastoma with simultaneous adrenogenital syndrome. Cas. lek.
cesk. 96 no.42:1342-1345 18 Oct 57.

I. II. interno oddeleni nemocnice na Bulovce v Praze VIII, prednosta doc.
Dr R. Foit. J. T., Praha-Bulovka.

(SYMPHATHICOBlastoma, compl.
adrenogenital synd. (Gz))
(ADRENOGENITAL SYNDROME, compl.
sympathicoblastoma (Gz))

FOIT, R.; SIROVA, St.

Pulmonary paragonimiasis. Cas. lek. cesk. 99 no.28:894-896
8 JI '60.

1. II. interni klinika fakulty detskeho lekarstvi v Praze,
prednosta prof. dr. R. Voit a II. interni oddeleni nemocnice na
Bulovce.

(PARAGONIMUS infect.)
(LUNG DISEASES case reports)

KRAML, Jiri; PROKES, Jaroslav; KACL, Karel; PELICHOVA, Hana; FOIT,
Richard, SIEBEROVA, Ruzena; KOLAR, Miroslav

Use of labelled insulin for detection of insulin antibodies. I.
Detection of insulin antibodies with electrophoresis in agar.
Vnitřní lek. II no.1:1-17 Ja '65

1. I. ustav pro chemii lékařskou a soudní FVL UK (prednosta
prof. dr. Karel Kacel, DrSc.); II. vnitřní klinika FDL UK
Fakultní nemocnice Pod Petrinem (prednosta: prof. dr. Richard
Foit, DrSc.) a Biofyzikální ustav FVL UK (prednosta - doc. dr.
Zdenek Dienstbier, DrSc.).

CZECHOSLOVAKIA

UDC 615.361.379.615.747-032(611.31)

FOIT, R.: 2nd Internal Clinic, Faculty of Pediatrics, Charles University (II. Interni Klinika Fakulty Detskeho Lekarstvi KU), Prague, Chief (Prednosta) Prof Dr R. FOIT.

"Rational Treatment with Insulin and Oral Antidiabetic Drugs."

Prague, Casopis Lekarů Ceskych, Vol 106, No 6, 10 Feb 67, pp 152 - 157

Abstract [Author's English summary modified]: Available new insulin preparations and oral antidiabetic drugs are reviewed. The effect of individual drugs with the description of the chronology of their action is described. Compatibility and non-compatibility of individual drugs are discussed. Effect of chronic insulin overdosage is evaluated. Characteristics of sulfonylurea biguanids and of glycodiazine are discussed. Contraindications for their application are described. Combinations of insulin therapy with biguanids and glycodiazine in the treatment of labile diabetics are discussed. 1 Figure, 1 Table, 7 Western, 1 Czech reference. (Manuscript received May 66).
1/1

FOJLIK, F.

- [illegible]

FOJT, B.

CZECHOSLOVAKIA / Cosmochemistry, Geochemistry, Hydro-
chemistry.

D

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60501.

Author : B. Fojt.

Inst : Moravian Museum at Brno.

Title : Ore Minerals from Quarry near Ondroshovo in Low
Yesenik.

Orig Pub: Casop. Moravskeho musea Brne. Vedy prirod., 1957,
42, 27-32.

Abstract: A morphological study of a weak mineralization
(sphalerite with chalcopyrite, pyrrhotite, galena
and pyrite) in metamorphized basic Devon rocks
showed that after the deposition of the ore sub-

Card 1/2

SKACEL, Jaroslav; MAREK, Miloslav; MIKUS, Miloslav; KNEZ, Jaroslav;
PAUK, Tomas; BARTAS, Frantisek; OREL, Petr; VYBIRAL, Josef;
BARTH, Vojtech; KNETTING, Petr; FOJT, Bohuslav; DVORAK, Jaroslav;
KOCIAN, Jan

The 2nd Regional Geological Conference in Opava. Prir cas
slezsky 23 no.1:133-143 '62.

FOJT, Bohuslav, promovany geolog (Brno, Kottarska 2)

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1. Katedra mineralogie spektrografii prirodovedecke fakulty, Universita J.E. Purkyne, Brno.

GIBINSKI, Kornel; NOWAK, Andrzej; POJT, Edward

Problem of the effect of mineralo-corticoids on sparing of sodium by the sweat glands. Polskie arch. med. wewn. 31 no.12:1585-1593 '61.

1. Z III Kliniki Chorob Wewnetrznych SLAM w Bytomiu Kierownik:
prof. dr med. K.Gibinski.

(ADRENAL CORTEX HORMONES pharmacol)
(SODIUM metab) (SWEAT GLANDS pharmacol)

CZARNECKI, Lech; FOJT, Eugeniusz

Unusual case of typhoid fever. Polski tygod.lek. 15 no.26:1001-1004
27 Je '60.

1. Z Kliniki Chorob Zakaźnych Sl. Ak. Med. w Bytomiu; kierownik:
doc. dr med. Karol Szymonski i III Kliniki Chorob Wewnętrznych
Sl. Ak. Med. w Bytomiu; kierownik: prof. dr med. Kornel Gibinski
(TYPHOID case reports)

GIBINSKI, Kornel; FOJT, Eugeniusz; GIEC, Leszek; NOWAK, Andrzej

Antidiuretic hormone and thermal sweating. Polskie arch. med. wewn.
31 no.8:1059-1064 '61.

1. Z III Kliniki Chorob Wewnętrznych Sz. AM w Bytomiu Kierownik: prof.
dr med. K. Gibinski.

(VASOPRESSIN pharmacol) (SWEATING pharmacol)

GIBINSKI, Kornel; FOJT, Eugeniusz; NOWAK, Andrzej; GLEC, Leszek

Effect of various diuretics on the activity of sweat glands.
Polski tygod. lek. 16 no. 42:1601-1603 16 0 '61.

1. Z III Kliniki Chorob Wewnętrznych Sl. A.M w Bytomiu; kierownik:
prof. dr med. K. Gibinski.
(DIURETICS pharmacol) (SWEAT GLANDS pharmacol)

GIBINSKI, K.; FOJT, E.; GIEC, L.

Effect of epidrex on thermal sweating. Polskie arch. med.
wewnetrz. 31 no.1:7-12 '61.

1. Z III Kliniki Chorob Wewnetrznych Sl. Ak. Med. w Bytomiu
Kierownik: prof. dr med. K. Gibinski.

(CHLOROTHIAZIDE rel epds) (SWEATING pharmacol)

GIBINSKI, K.; FOJT, E.; NOWAK, A.

The lack of influence of corticoids on the excretion of electrolytes by sweat glands. *Pr1. arch. med. wewn.* 32 no.10:1219-1224 '62.

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dr med. K. Gibinski.

(SWEAT) (ELECTROLYTES) (ADRENAL CORTEX HORMONES)

NOWAK, Andrzej; FOJT, Eugeniusz

Effect of certain psychotropic drugs on the function of sweat glands in a hot environment. Pol. arch. med. wewnet. 35 no.4: 511-516 '65.

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